

Sub
F₁

1. (Twice amended) An intraocular lens for surgical implantation in the eye, the lens comprising:

D₁

an optic, and

at least one haptic connected to the optic and having a core and a polyimide coating over the core at least on a distal end away from the optic;

wherein the optic and haptic core are monolithically formed from one polymeric material selected from the group consisting of a silicone polymer, an acrylic polymer, a hydroacrylic polymer, a 2-hydroxyethylmethacrylate polymer, a polymethylmethacrylate polymer, and combinations thereof.

Sub
F₃

4. (Twice amended) The intraocular lens of claim 1 wherein the polymeric material is silicone polymer.

D₂

5. (Twice amended) The intraocular lens of claim 1 wherein the polymeric material is acrylic polymer.

6. (Twice amended) The intraocular lens of claim 1 wherein the polymeric material is 2-hydroxyethylmethacrylate polymer.

7. (Twice amended) The intraocular lens of claim 1 wherein the polymeric material is polymethylmethacrylate.

D₃

8. (Once amended) The intraocular lens of claim 1 wherein the optic comprises a UV absorbing compound.

Sub
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16. (Twice amended) An intraocular lens comprising:
an optic; and
two plate haptics diametrically opposed and extending radially away from the optic, each of the haptics having a groove at distal peripheral end;

D₄

wherein the interior of the groove has a polyimide coating thereon and wherein the optic and the plate haptics are monolithically formed from one polymeric material selected from the group consisting of a silicone polymer, an acrylic polymer, a hydroacrylic polymer, a 2-hydroxyethylmethacrylate polymer, a polymethylmethacrylate polymer, and combinations thereof.

D5
Sub F6
17. (Once amended) The intraocular lens of claim 16 wherein the optic comprises a UV absorbing compound.

19. (Twice amended) The intraocular lens of claim 16 wherein the polymeric material is silicone polymer.

20. (Twice amended) The intraocular lens of claim 16 wherein the polymeric material is acrylic polymer.

D6
21. (Twice amended) The intraocular lens of claim 16 wherein the polymeric material is 2-hydroxyethylmethacrylate polymer.

22. (Twice amended) The intraocular lens of claim 16 wherein the polymeric material is polymethylmethacrylate.

Sub F7
40. (Amended three times) A device for implantation in a human to be anchored in a secured position within human tissue, the device comprising:
a biologically inert exterior surface region; and
a polyimide coating on at least a portion of said region, the coating sufficient to be effective to promote fibrosis of the surrounding tissue with the polyimide to enhance the anchoring of the device to the surrounding tissue;

D7
wherein the device is shaped in the form of an intraocular lens, the intraocular lens comprising an optic and at least one haptic, the haptic having a core, wherein said polyimide coating is on said core; and

wherein the optic and the haptic core are monolithically formed from one polymeric material selected from the group consisting of a silicone polymer, an acrylic polymer, a hydroacrylic polymer, a 2-hydroxyethylmethacrylate polymer, a polymethylmethacrylate polymer, and combinations thereof.

Sub F8
D8
43. (Twice amended) The device of claim 40, comprising two haptics shaped in the form of a plate, diametrically opposed and extending radially away from the optic, each of the haptics having a groove at distal peripheral end, wherein the interior of the groove has a polyimide coating thereon.